Average Value of a Function: $\quad f_{avg} = \dfrac{\displaystyle\int_a^b f(x)\,dx}{b-a}$

The average value of $f(x)$ on $[a,b]$ is $\quad \dfrac{1}{b-a}\displaystyle\int_a^b f(x)\,dx$.

Integration	
The Average Value for a Function	$\dfrac{1}{b-a}\displaystyle\int_a^b f(x)\,dx$